
Subject: Re: Plot with X-Axis ticks as string
Posted by [lecacheux.alain](#) on Mon, 01 Feb 2016 18:23:54 GMT
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Le lundi 1 février 2016 17:31:54 UTC+1, Paul van Delst a écrit :

```
> Actually, since you're using function graphics, have a look at the C()
> format codes:
> http://www.exelisvis.com/docs/format\_codes.html#files\_283972\_0996\_2823814
>
> But, again, I think label_date() is what you need.
>
> For example in some of my code I do:
>
> ; Set up the date labeling
> date_label = LABEL_DATE(DATE_FORMAT='%D %M!C%Y')
>
> and then
>
> tp[i] = PLOT( date_time, timing[*,i], $
>             TITLE='Host : ' + host + '!C' + $
>             'CRTM root : ' + crtm_root + '!C' + $
>             'Sensor Id : ' + sensor_id + '!C' + $
>             'CRTM version : ' + crtm_version + '!C' + $
>             'Current Date : ' + SYSTIME(), $
>             XTITLE='Date', $
>             YTITLE='Run time (sec.)', $
>             XTICKFORMAT='LABEL_DATE', $
>             /XSTYLE, $
>             ...etc...
>
> See the value for XTICKFORMAT?
>
> cheers,
>
> paulv
>
> On 02/01/16 11:26, Paul van Delst wrote:
>> Hello,
>>
>> Have a look at:
>>
>> http://www.exelisvis.com/docs/LABEL\_DATE.html
>>
>>
>> Also, playing around with user-defined functions for tick labeling might
>> be useful (although I think the above is what you need). See:
>>
>> http://www.exelisvis.com/docs/graphkeyw.html#graphkeyw\_32887\_78166\_370350
```

```

>>
>> in particular the section titled: "The name of a user-defined function:"
>>
>> cheers,
>>
>> paulv
>>
>> On 01/31/16 04:44, Kai Heckel wrote:
>>> Am Dienstag, 26. Januar 2016 13:58:30 UTC+1 schrieb Kai:
>>>> Hello everyone!
>>>>
>>>> I'd like to plot monthly values of a parameter. The months go from
>>>> April to November. How can I implement ticks at the x-axis which
>>>> are simple strings, e.g. 'Apr', 'May' .....
>>>>
>>>> So I plotted something and I tried to add a fitted x-axis to the
>>>> plot as follows:
>>>>
>>>> myplot_c1 = PLOT(parameters,
>>>> NAME='Cluster',COLOR='red',XTEXT_COLOR='white', YSTYLE=2, XSTYLE=3,
>>>> YTITLE='Parameter',MIN_VALUE=-1, MAX_VALUE=1,
>>>> XTICKINTERVAL=1,YRANGE=[0.15,0.5])
>>>>
>>>> xax =
>>>> AXIS('X',LOCATION=[0,0.15],TICKVALUES=['Mar','Apr','May','Jun','Jul','Aug','Sep','Oct'],
>>>>
>>>> MINOR=1, MAJOR=-1, TICKLEN=0.015,TICKFONT_SIZE=11,TICKINTERVAL=1)
>>>>
>>>> Somehow the monthly ticks just won't appear.
>>>>
>>>> Any suggestions?
>>>>
>>>> Cheers, Kai
>>>
>>> Does no one have any suggestions?
>>>
>>> Regards, Kai
>>>

```

If your time variable is expressed in Julian days, you can even put a C format string in the TICKFORMAT keyword. For instance, with :

```

pl = plot(jd, x, ..., XTICKFORMAT='(C(CYI4.4,"/",CMOI2.2,"/",CDI2.2))',...)

```

you get axis times such as 2016/02/01.
alx.
